

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered). Please CANCEL claim 14 without prejudice or disclaimer in accordance with the following:

1. **(previously presented)** A multi-layer optical recording medium, comprising:  
a user data area on each recording layer;  
grooves formed on each user data area;  
user data wobbles formed on at least one lateral surface of each groove of one of the recording layers; and  
lead out wobbles, which differ from the user data wobbles of the one recording layer, formed in an area beyond a predetermined radius of the one recording layer.
2. **(previously presented)** The multi-layer optical recording medium according to claim 1, wherein the wobbles of the lead-out area of the one recording layer are formed by modulating at least one feature of frequency, period, amplitude and phase of the wobbles of the user data area of the one recording layer.
3. **(previously presented)** The multi-layer optical recording medium according to claim 2, wherein recording is performed on the grooves and/or lands formed on the user data area of the one recording layer and the area beyond the predetermined radius of the one recording layer.
4. **(previously presented)** A multi-layer optical recording medium, comprising:  
a user data area on each recording layer;  
a groove formed on the user data area of one of the recording layers;  
user data wobbles formed on at least one lateral surface of the groove of the one recording layer; and  
lead out wobbles, which differ from the user data wobbles of the one recording layer, formed in an area beyond a predetermined radius of the one recording layer.

5. **(previously presented)** The multi-layer optical recording medium according to claim 4, wherein the area beyond the predetermined radius of the one recording layer has a width of two or more times a maximum allowance of disc eccentricity.

6. **(previously presented)** The multi-layer optical recording medium according to claim 4, wherein:

each recording layer comprises a lead-out area, and

each recording layer has a different recording pattern in the lead-out area of the respective recording layer.

7. **(previously presented)** The multi-layer optical recording medium according to claim 1, wherein:

each recording layer comprises a lead-out area, and

each recording layer has a different synchronization pattern in the lead-out area of the respective recording layer.

8. **(previously presented)** An optical recording medium comprising:

a user data area and a lead-out area,

wherein the user data area and the lead-out area each have a groove and a land formed thereon,

wobbles are formed on at least one lateral surface of each of the grooves, and

the wobbles of the lead-out area have different characteristics from those of the user data area.

9. **(previously presented)** The optical recording medium according to claim 8, wherein the wobbles of the lead-out area are formed by modulating at least one feature of frequency, period, amplitude and phase of the wobbles of the user data area.

10. **(previously presented)** The optical recording medium according to claim 9, wherein the wobbles of the lead-out area include addressing information or reference time information in a form of phase locked loop (PLL).

11. **(previously presented)** The optical recording medium according to claim 8, wherein a synchronization pattern of a signal read from the groove of the user data area is different from that of the lead-out area.

12. **(previously presented)** The optical recording medium according to claim 8, wherein predetermined recording patterns are recorded in the lead-out area to prevent an optical pickup from deviating from the user data area during recording and/or reproducing of data.

13. **(previously presented)** The optical recording medium according to claim 8, wherein recording and/or reproducing is performed on the groove and/or land of the user data area.

14. **(cancelled)**

15. **(previously presented)** A multi-layer optical recording medium, comprising:  
a plurality of recording layers each having a user data area and a groove formed thereon;  
user data wobbles formed on at least one lateral surface of the groove of at least one of the recording layers; and

lead out wobbles, which differ from the user data wobbles of the at least one recording layer, formed in an area beyond a predetermined radius of the at least one recording layer.

16. **(previously presented)** The multi-layer optical recording medium according to claim 15, wherein the wobbles of the lead-out area of the at least one recording layer are formed by modulating at least one feature of frequency, period, amplitude and phase of the wobbles of the user data area of the at least one recording layer.

17. **(previously presented)** The multi-layer optical recording medium according to claim 2, wherein recording is performed on the grooves and/or lands formed on the user data area of the one recording layer and the area beyond the predetermined radius of the one recording layer.